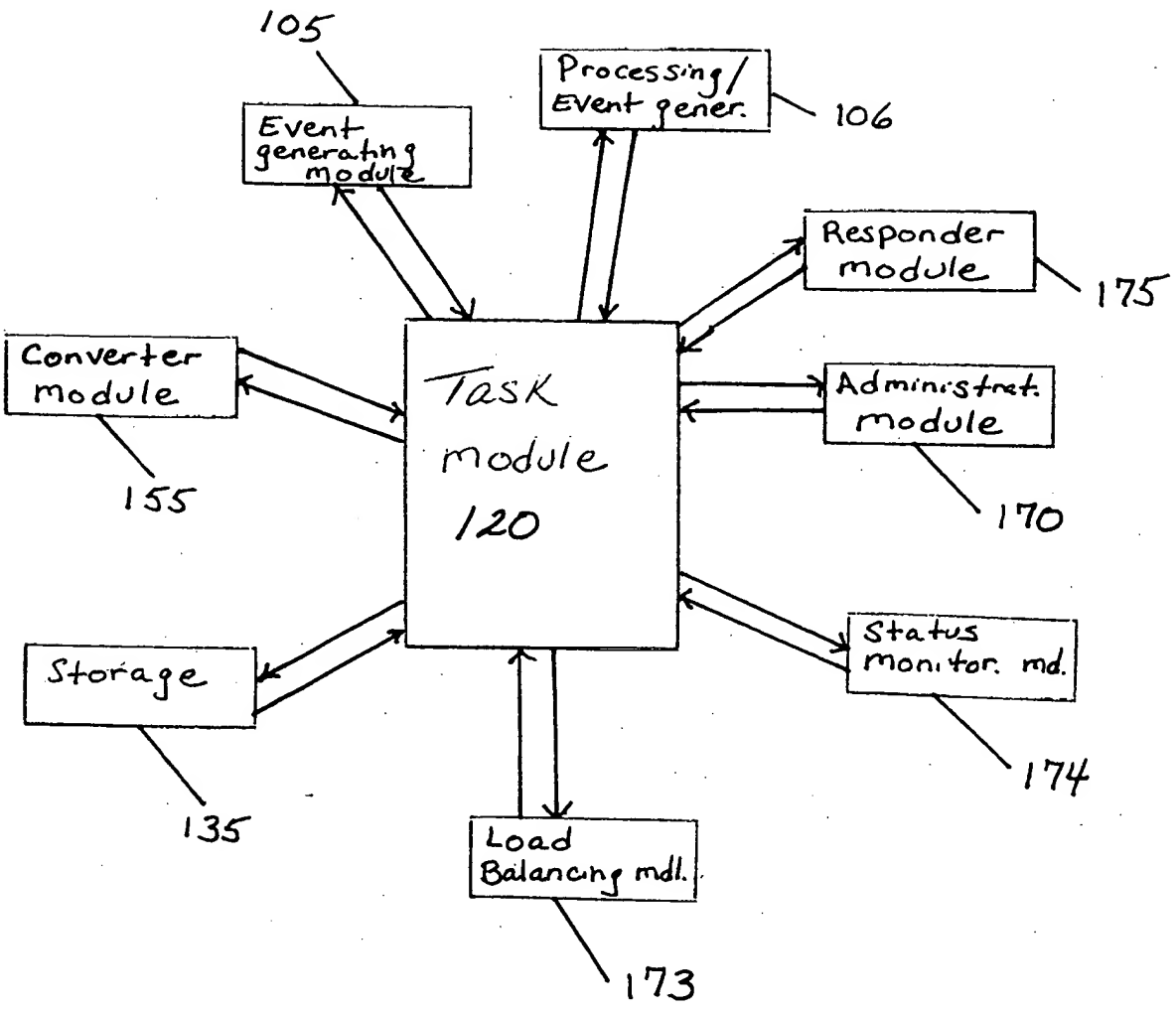
Figure 1

10


105
Event generating module
Processing/ Event gener.
106
Responder module
175
Converter module
155
Task module 120
Administrat. module
170
Storage
135
Status monitor. md.
174
Load Balancing mdl.
173

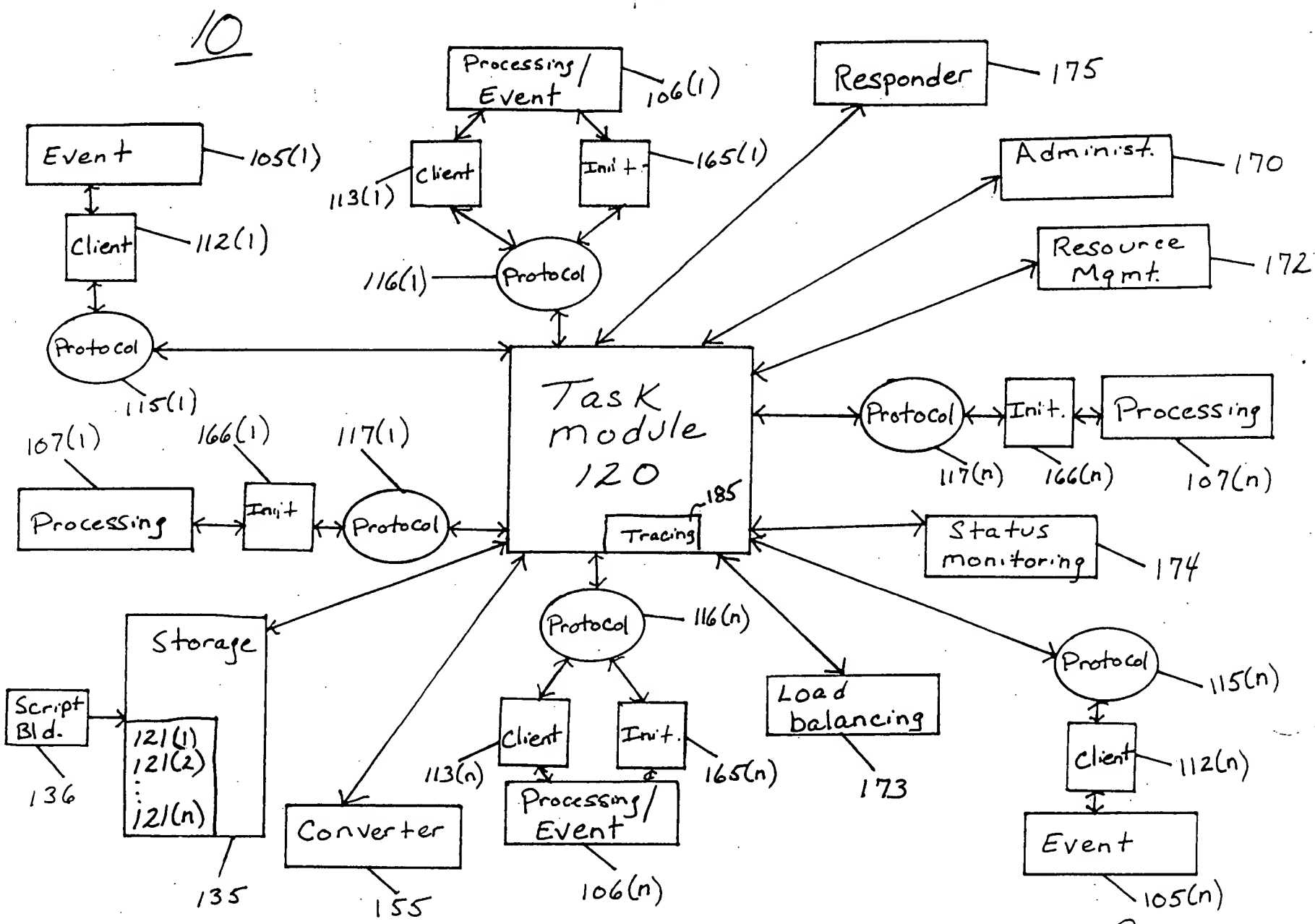

10
Processing/ Event
106(1)
Responder
175
Event
105(1)
Client
113(1)
Client
Init.
165(1)
Admin ist.
170
Client
112(1)
116(1)
Protocol
Resource Mgmt.
172
Protocol
115(1)
Task module 120
Protocol
Init.
Processing
117(n)
166(n)
107(n)
107(1)
166(1)
117(1)
Processing
Init
Protocol
185
Tracing
Status monitoring
174
Protocol
116(n)
Storage
Protocol
115(n)
Script Bld.
121(1)
121(2)
121(n)
Load balancing
Client
Init.
Client
112(n)
113(n)
165(n)
173
136
Converter
Processing/ Event
Event
135
155
106(n)
105(n)

Figure 2

10

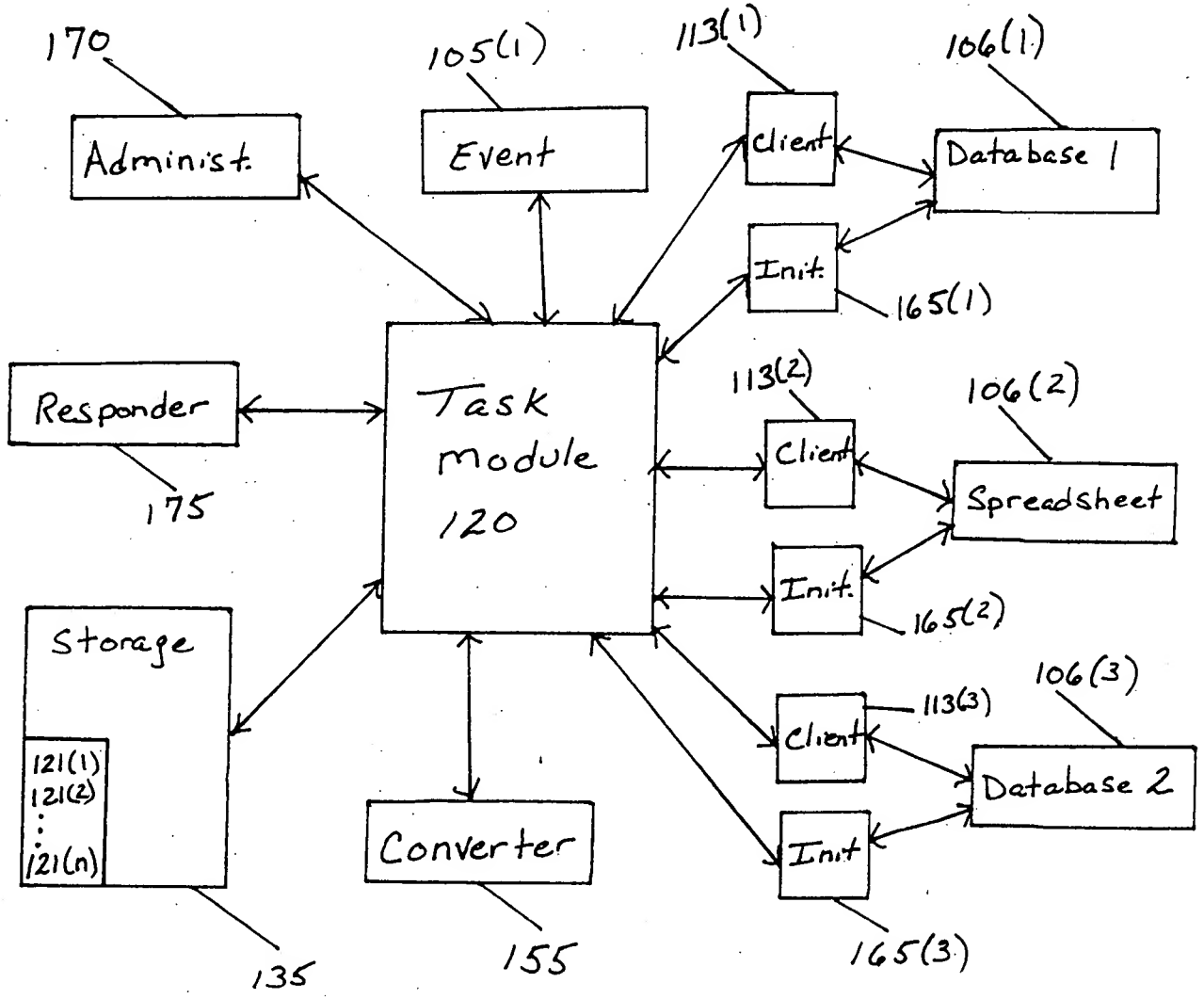

170
Administ.
105(1)
Event
113(1)
Client
106(1)
Database 1
Init.
165(1)
Responder
175
Task module 120
113(2)
Client
106(2)
Spreadsheet
Init.
165(2)
Storage
121(1)
121(2)
121(n)
135
Converter
155
113(3)
Client
106(3)
Database 2
Init
165(3)

Figure 3A

10

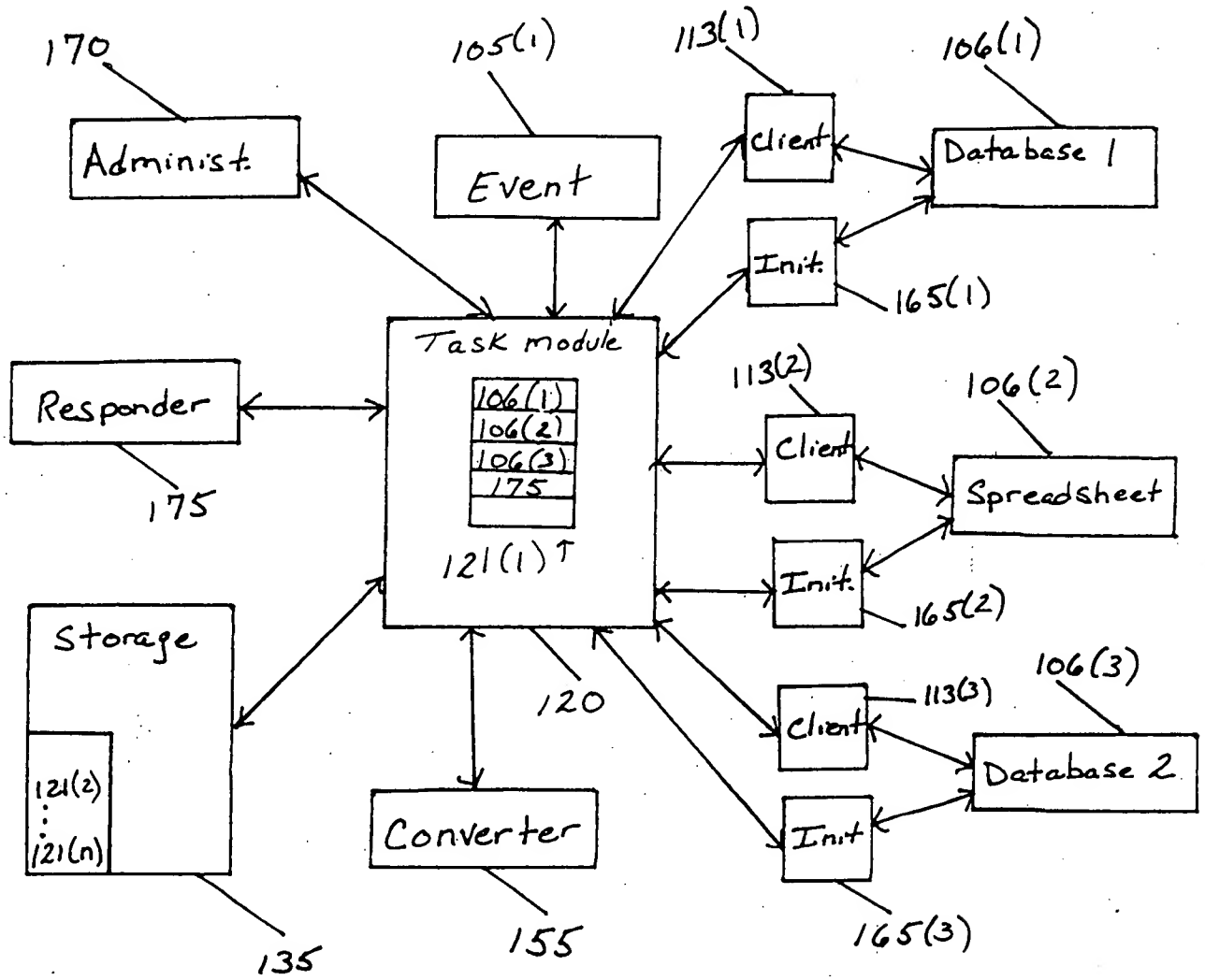

170
Administ.
105(1)
Event
113(1)
Client
106(1)
Database 1
Init.
165(1)
Task module
106(1)
106(2)
106(3)
175
121(1)
Responder
175
113(2)
Client
106(2)
Spreadsheet
Init.
165(2)
Storage
121(2)
121(n)
135
120
Converter
155
113(3)
Client
106(3)
Database 2
Init
165(3)

Figure 3B

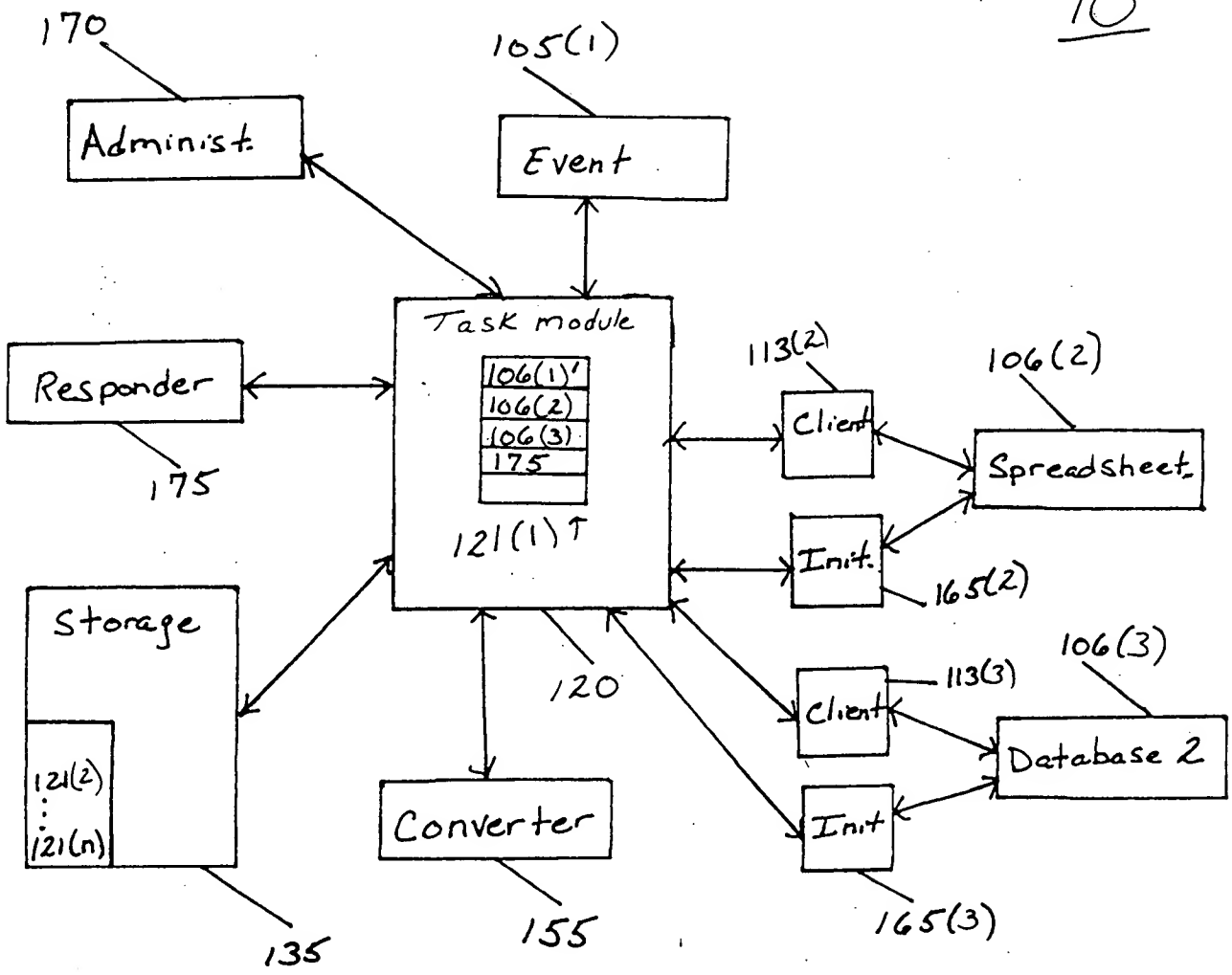

10
170
Administ.
105(1)
Event
Task module
106(1)'
106(2)
106(3)
175
121(1)
Responder
175
113(2)
Client
106(2)
Spreadsheet
Init.
165(2)
Storage
121(2)
121(n)
135
120
Converter
155
Client
113(3)
106(3)
Database 2
Init
165(3)

Figure 3C

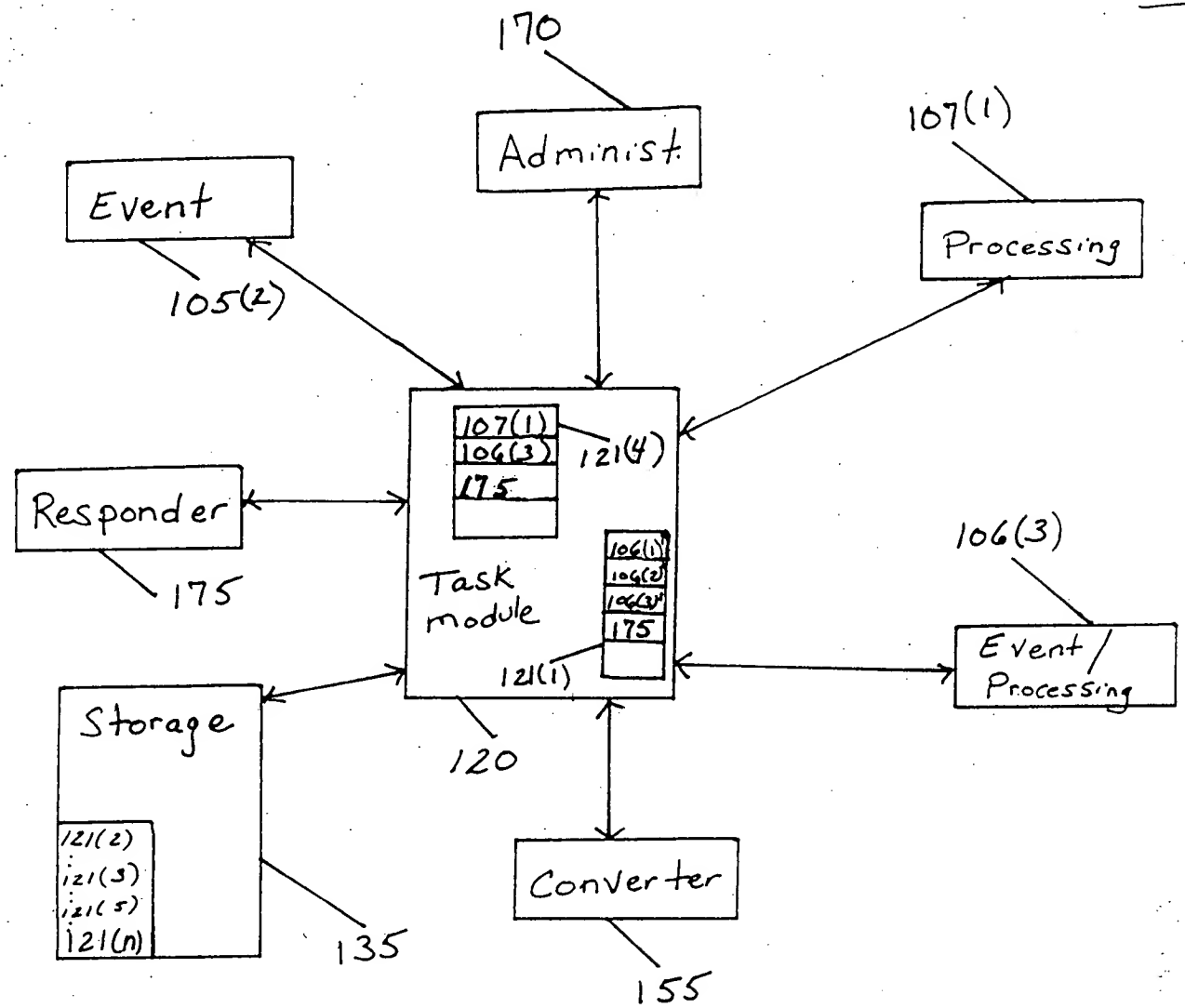

170
Administ.
Event
105(2)
107(1)
Processing
107(1)
106(3)
175
121(4)
Responder
175
Task module
106(1)
106(2)
106(3)
175
121(1)
106(3)
Event / Processing
Storage
121(2)
121(3)
121(5)
121(n)
120
135
Converter
155

Figure3D

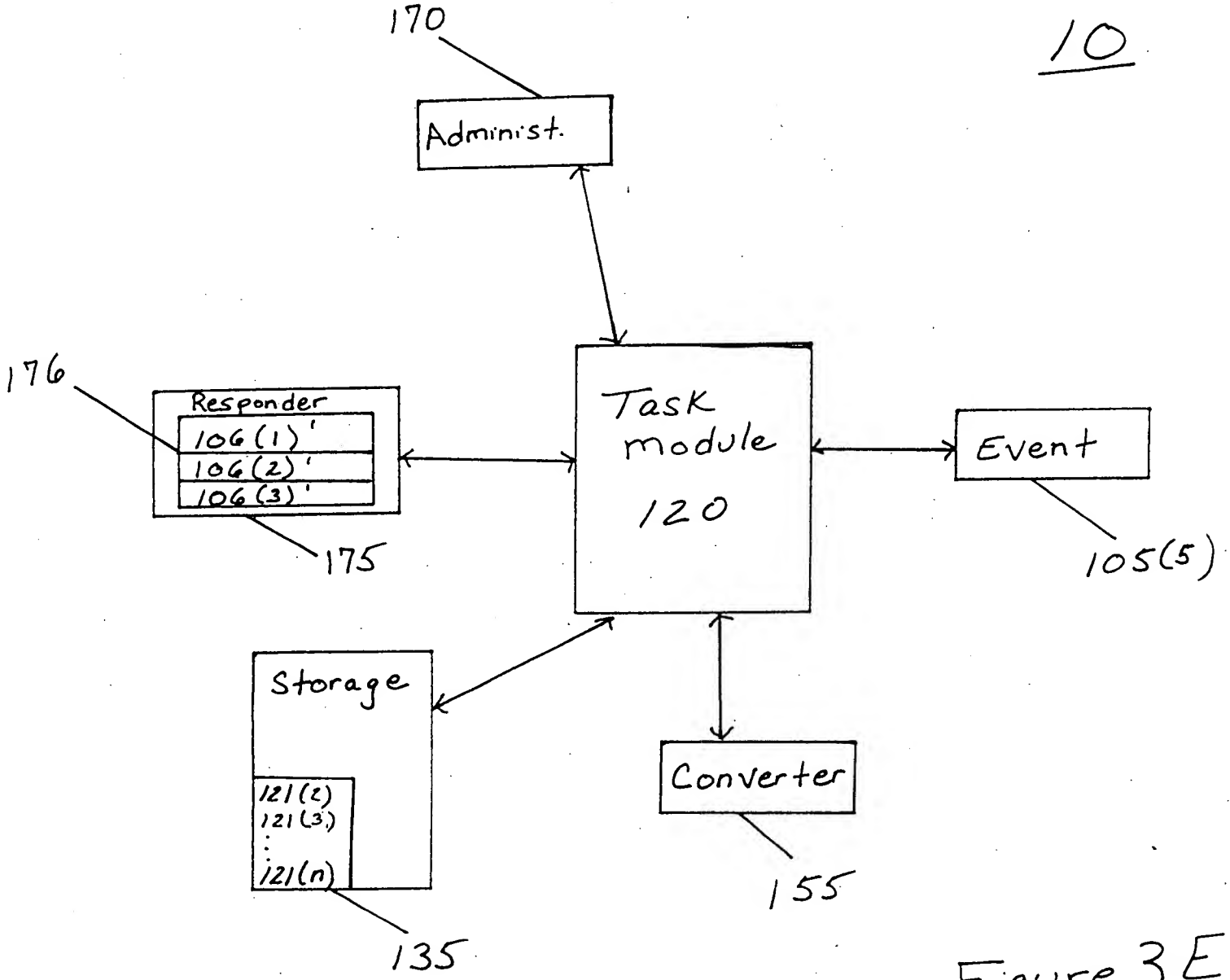

170
Administ.
10
176
Responder
106(1)'
106(2)'
106(3)'
175
Task module
120
Event
105(5)
Storage
121(1)
121(3)
121(n)
135
Converter
155

Figure 3E

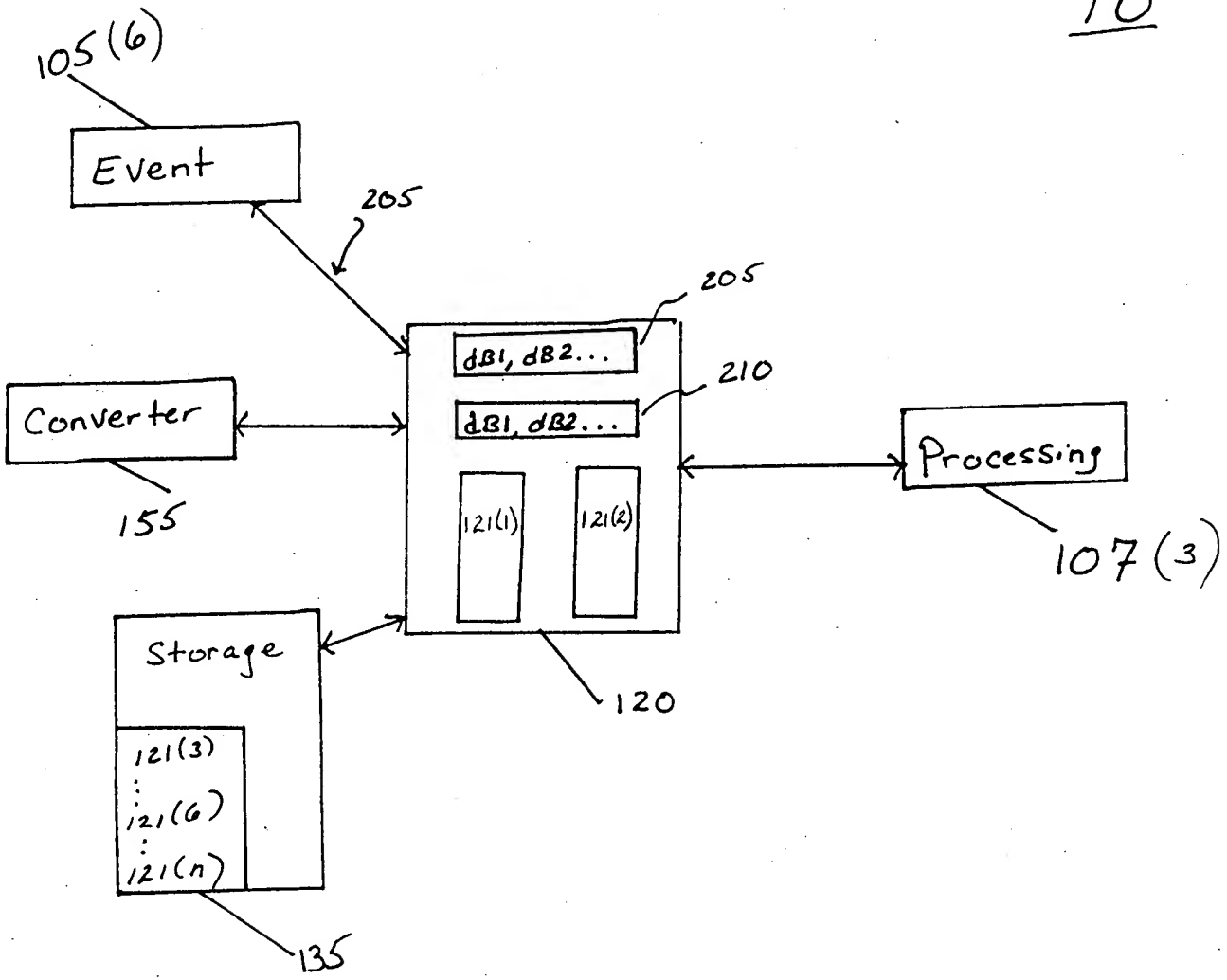
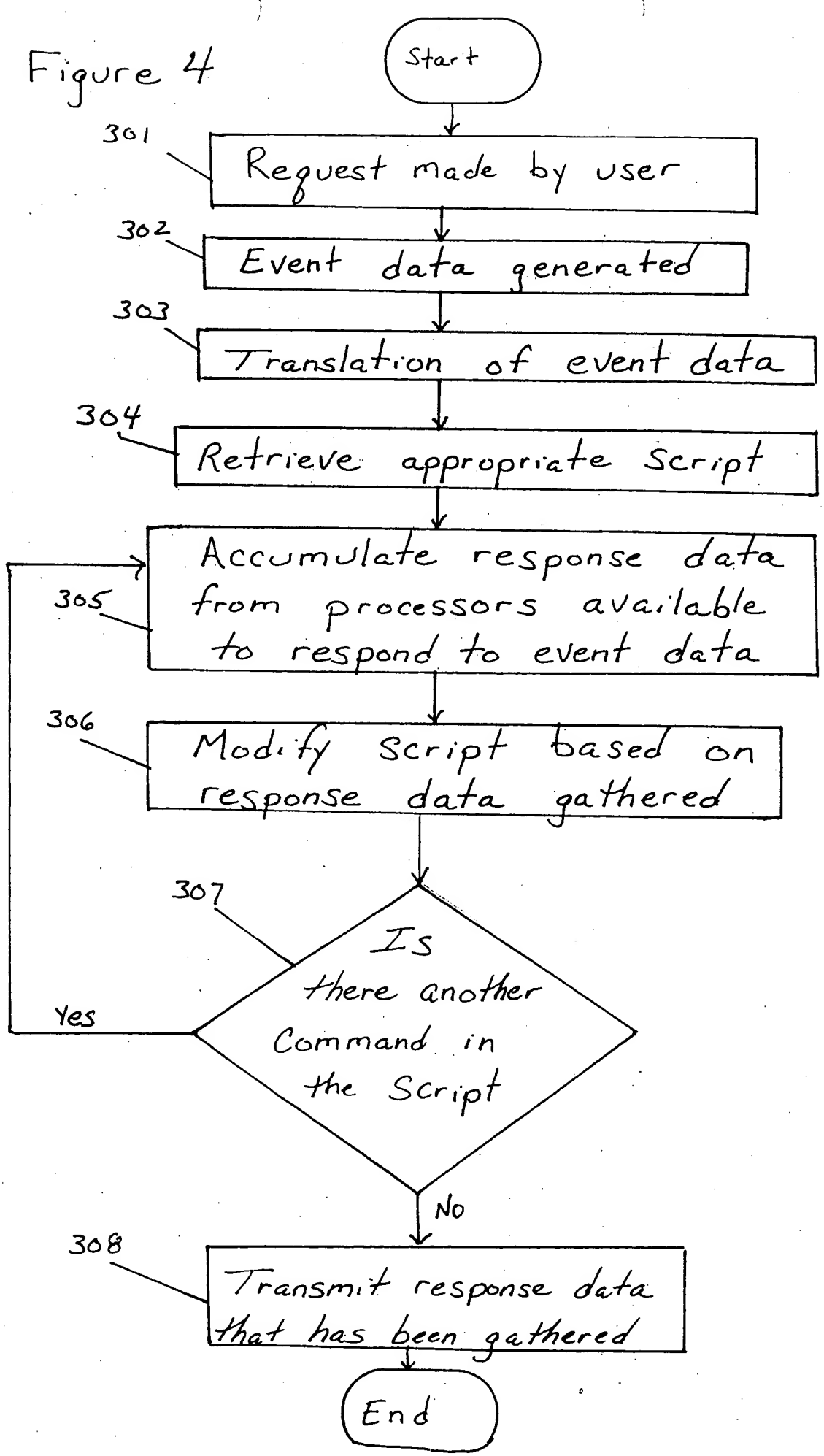

10
105(6)
Event
205
205
dB1, dB2...
210
dB1, dB2...
Converter
155
121(1)
121(2)
Processing
107(3)
Storage
120
121(3)
121(6)
121(n)
135

Figure 3F

Figure 4


Start
301
Request made by user
302
Event data generated
303
Translation of event data
304
Retrieve appropriate Script
Accumulate response data from processors available to respond to event data
305
306
Modify Script based on response data gathered
307
Is there another Command in the Script
Yes
No
308
Transmit response data that has been gathered
End

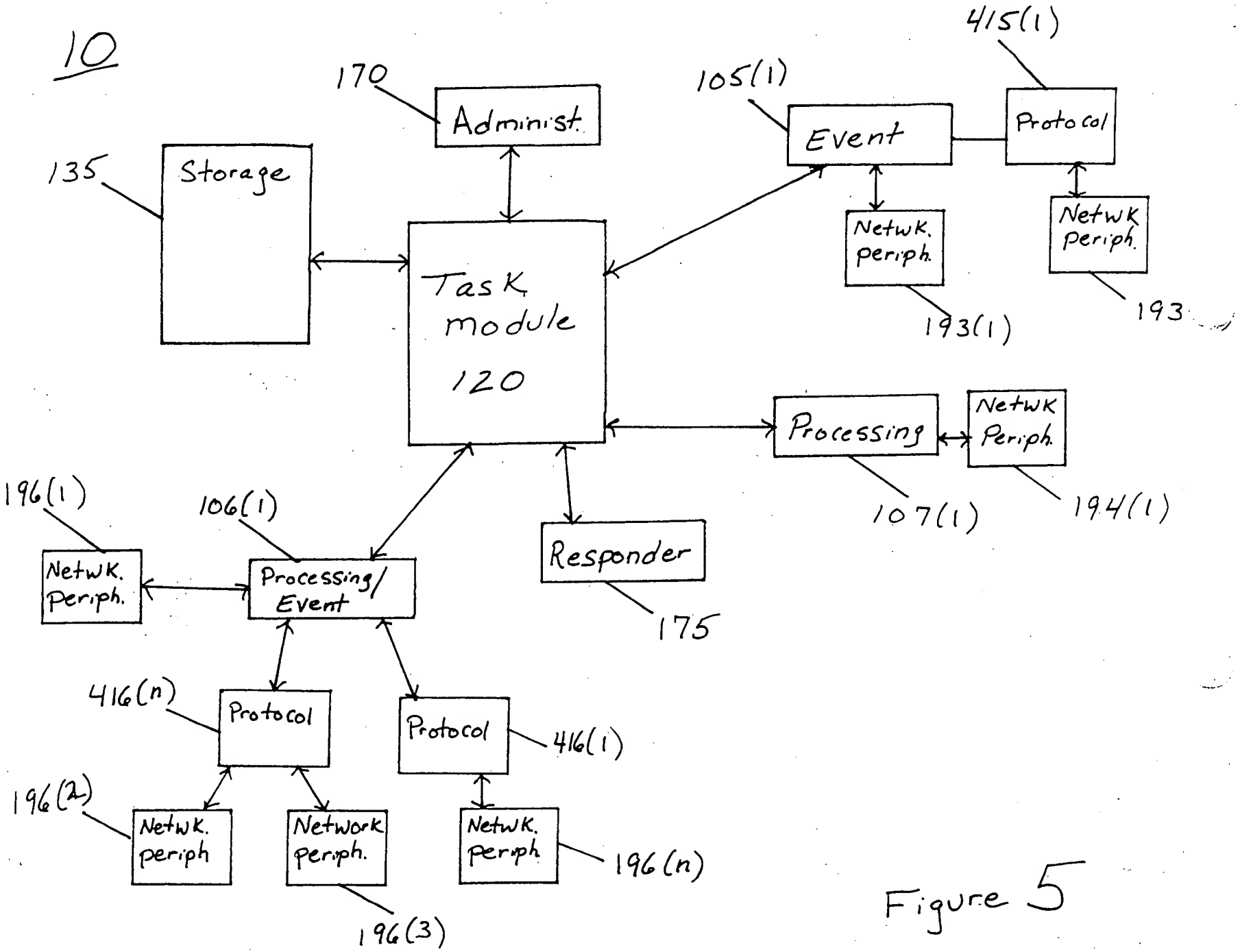
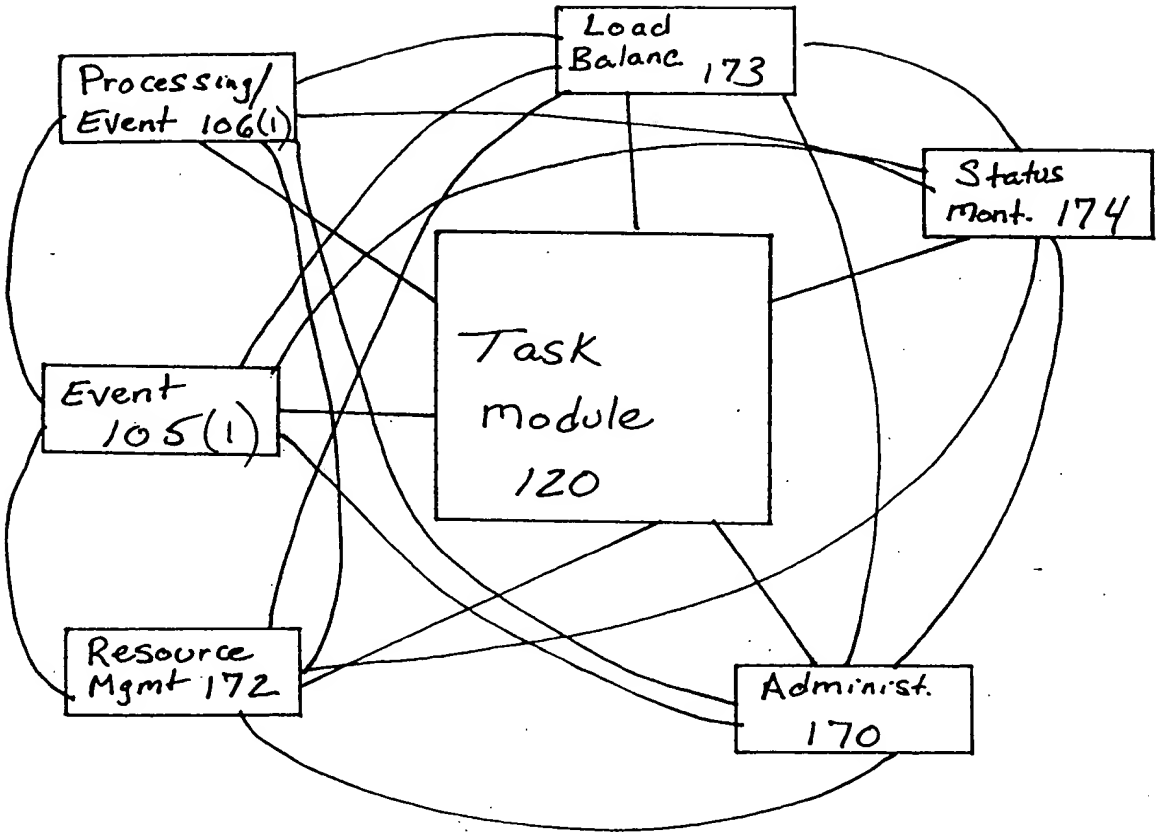

10
170
Administ.
415(1)
105(1)
Event
Protocol
135
Storage
Netwk. periph.
193(1)
Netwk periph.
193
Task module 120
Processing
Netwk Periph.
107(1)
194(1)
196(1)
106(1)
Netwk. Periph.
Processing/ Event
Responder
175
416(n)
Protocol
Protocol
416(1)
196(2)
Netwk. periph
Network periph.
Netwk. periph
196(n)
196(3)

Figure 5

Figure 6



0000000-0000000

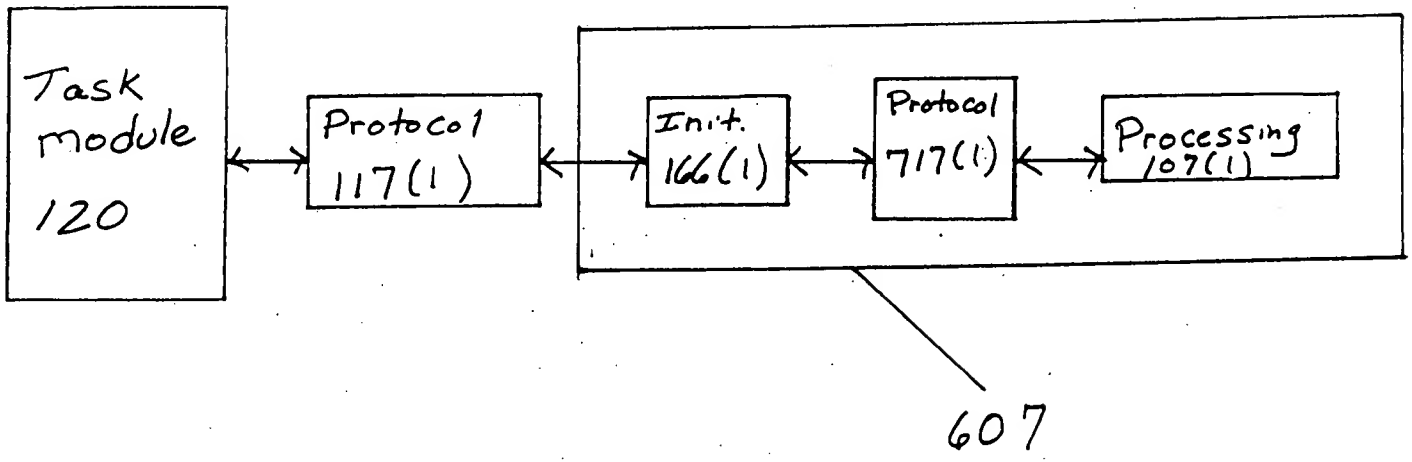

Task module 120
Protocol 117(1)
Init. 166(1)
Protocol 717(1)
Processing 107(1)
607

Figure 7A

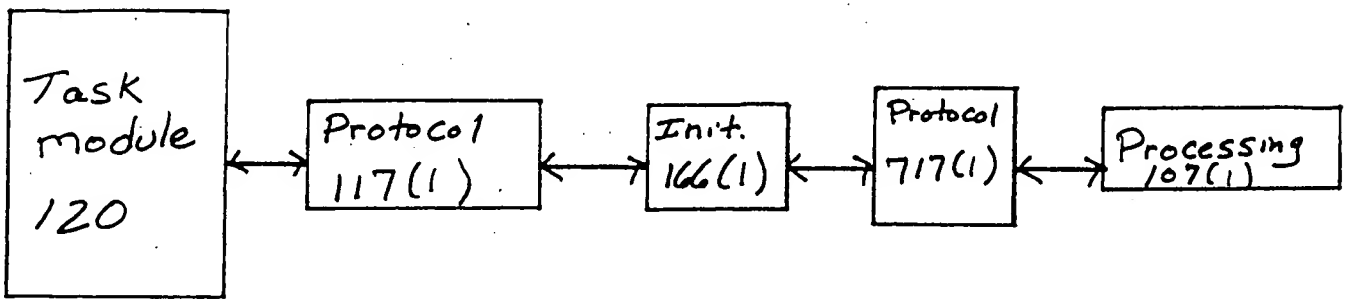

Task module 120
Protocol 117(1)
Init. 166(1)
Protocol 717(1)
Processing 107(1)

Figure 7B

Figure 8a

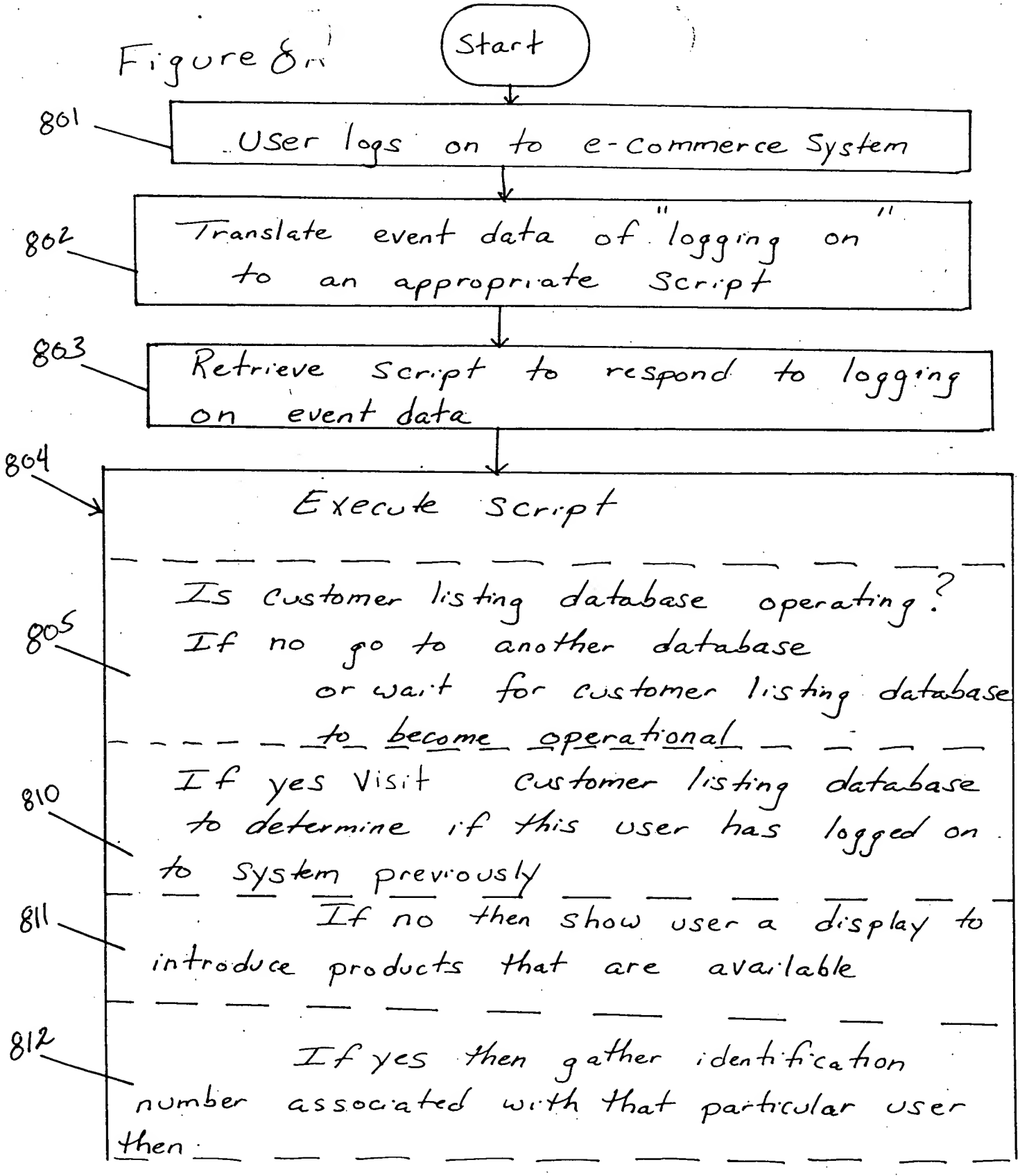
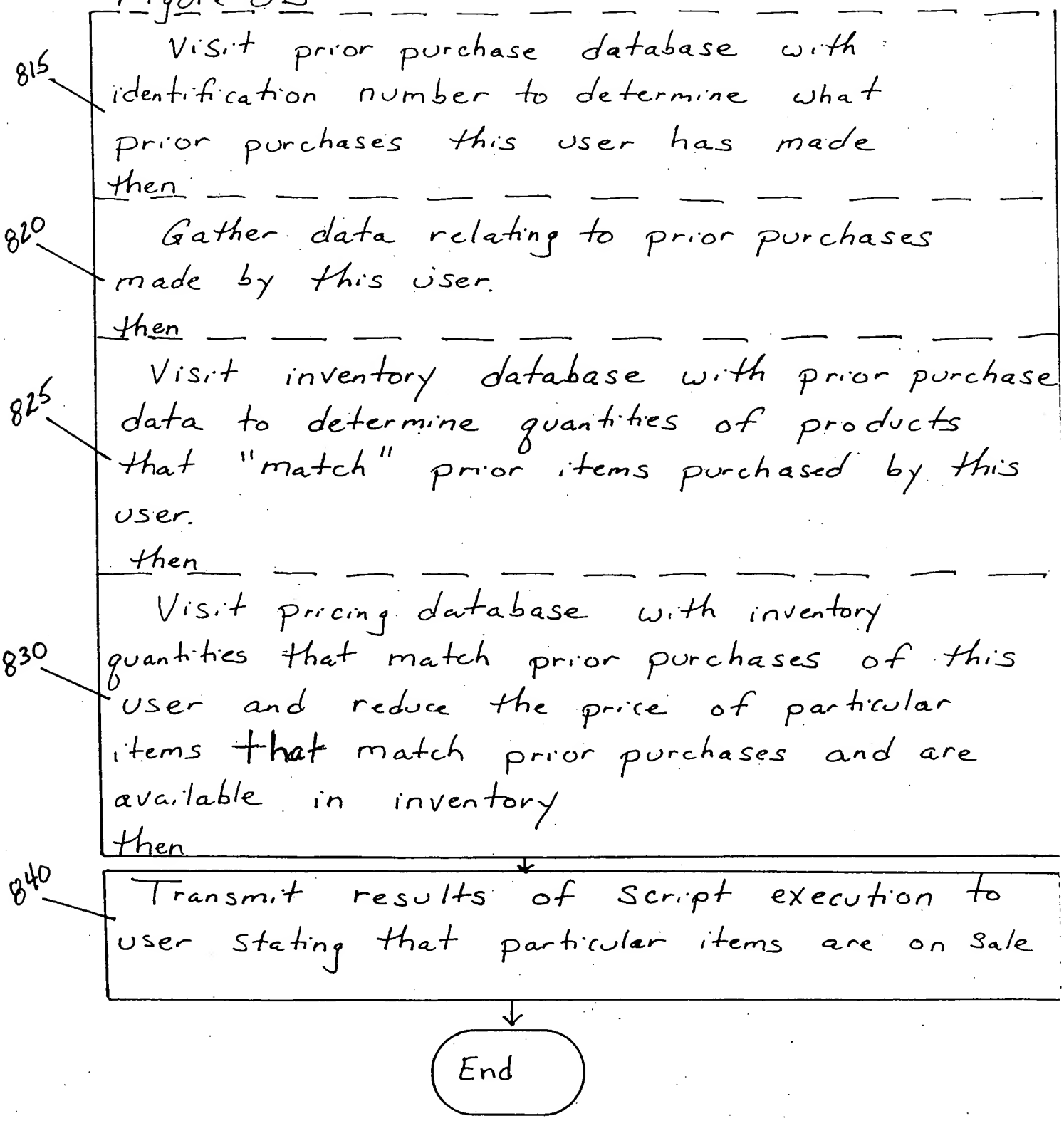

Start
801
User logs on to e-commerce System
802
Translate event data of "logging on" to an appropriate Script
803
Retrieve script to respond to logging on event data
804
Execute Script
805
Is customer listing database operating? If no go to another database or wait for customer listing database to become operational
810
If yes Visit customer listing database to determine if this user has logged on to system previously
811
If no then show user a display to introduce products that are available
812
If yes then gather identification number associated with that particular user then

Figure 8B


815
Visit prior purchase database with identification number to determine what prior purchases this user has made
then
820
Gather data relating to prior purchases made by this user.
then
825
Visit inventory database with prior purchase data to determine quantities of products that "match" prior items purchased by this user.
then
830
Visit pricing database with inventory quantities that match prior purchases of this user and reduce the price of particular items that match prior purchases and are available in inventory
then
840
Transmit results of Script execution to user stating that particular items are on Sale
End